

IN THE CLAIMS:

Please add new claims 52-53 as follows:

1-37. (Cancelled)

38. (Previously Presented) A substrate for a liquid crystal display apparatus, the substrate having at least one linear slit, said linear slit having at least one boundary between the ends of the linear slit.

39. (Previously Presented) The substrate of claim 38, wherein said boundary comprises a narrow portion in said slit, relative to the width of non-boundary portions of said slit.

40. (Previously Presented) The substrate of claim 38, wherein said linear slit is formed by an absence of an electrode.

41. (Previously Presented) A liquid crystal display device comprising the substrate of claim 38.

42. (Previously Presented) A substrate for a liquid crystal display apparatus, comprising:

a linearly arranged protrusion or slit formed on the substrate, said protrusion or slit having a length, a width, and a height; and

a first boundary within said linearly arranged protrusion or slit, said first boundary having a width or height less than the width or height of said linearly arranged protrusion or slit adjacent said first boundary.

43. (Previously Presented) The substrate of claim 42, further comprising a second boundary having a width or height different than the width or the height of either of said linearly arranged protrusion or slit and said first boundary.

44. (Previously Presented) The substrate of claim 42, wherein said first boundary is formed by reducing a height of said protrusion or a depth of said slit.

45. (Previously Presented) The substrate of claim 42, wherein said first boundary is formed by increasing the width of said protrusion or slit.

46. (Previously Presented) The substrate of claim 42, wherein said first boundary is formed by increasing a height of said protrusion or a depth of said slit.

47. (Previously Presented) The substrate of claim 42, wherein said first boundary is formed by reducing the width of said protrusion or slit.

48. (Previously Presented) The substrate of claim 42, wherein said first boundary is formed by an absence of an electrode under an area of said linearly arranged structure where said first boundary is formed.

49. (Previously Presented) The substrate of claim 42, wherein said linearly arranged protrusion or slit is a linearly arranged dielectric protrusion formed on an electrode.

50. (Previously Presented) The substrate of claim 42, wherein said linearly arranged protrusion or slit is a linearly arranged slit formed by an absence of an electrode.

51. (Previously Presented) A liquid crystal display device comprising the substrate of claim 42.

52. (New) A liquid crystal display apparatus, comprising:
at least one substrate; and
at least one linear slit on said substrate, said linear slit having at least one boundary between opposing ends of the linear slit.

53. (New) The liquid crystal display apparatus of claim 52, further comprising:

a second substrate;

liquid crystal having negative anisotropy or dielectric constant, and inserted between said at least one substrate and said second substrate; and

electrodes and vertical alignment layers on said at least one substrate and said second substrate.